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TITLE: POLYESTER POLYOL AND ITS USE AS A BINDER IN
TWO COMPONENT POLYURETHANE COATING COMPOSITION
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ABSTRACT:

PROBLEM TO BE SOLVED: To obtain a novel two-component polyurethane coating composition which meets industrial requirements such as no yellowing on exposure to UV light of a short wavelength and which is most suitable for re-finishing of automotive vehicles and lacquer coating of heavy motor vehicles.

SOLUTION: A polyester polyol having a hydroxyl value of 60 to 400 comprises an esterified product of a) an alcohol component containing at least one aliphatic or alicyclic alcohol having at least three hydroxyl groups and 3 to 8 carbon atoms, and b) a carboxylic acid component containing itaconic acid, maleic acid, an anhydride thereof and/or fumaric acid [provided that at least 10 mol.% of either component a) or component b) consists of an aliphatic or alicyclic saturated or unsaturated monoalcohol or monocarboxylic acid having 1 to 18 carbon atoms].

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